Recombinant Human FGFR3 Protein, Fc/His-tagged

Cat. No. FGFR3-4135H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGFR3 (NP_000133.1, 1 a.a. - 372 a.a.) partial recombinant protein with Fc-His tag expressed in HEK293E cells.
Species	Human
Source	HEK293
ProteinLength	1-372 a.a.
Description	This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. Three alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq
Form	Liquid

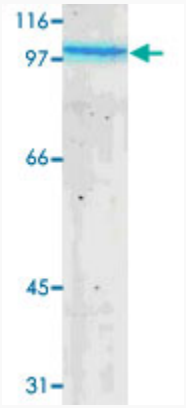
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Molecular Mass	66.4407 kDa
Purity	> 90% by SDS-PAGE
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In PBS, pH 7.4.

GENE INFORMATION

Gene Name	FGFR3 fibroblast growth factor receptor 3 [Homo sapiens]
Official Symbol	FGFR3
Synonyms	FGFR3; fibroblast growth factor receptor 3; ACH, achondroplasia, thanatophoric dwarfism; CD333; CEK2; JTK4; FGFR-3; tyrosine kinase JTK4; hydroxyaryl-protein kinase; ACH; HSFGFR3EX;
Gene ID	2261
mRNA Refseq	NM_000142
Protein Refseq	NP_000133
MIM	134934
UniProt ID	P22607

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Quality Control Testing	 10% SDS-PAGE Stained with Coomassie Blue

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